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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/965,368	09/26/2001	Quan-Chiu Harry Lam	SJO920010028US1	6415
75	90 06/18/2003			
Ron Feece			EXAMINER	
INTERNATIONAL BUSINESS MACHINES CORPORATION Dept. L2PA			OMETZ, DAVID LOUIS	
5600 Cottle Roa	• • •	a	ART UNIT	PAPER NUMBER
San Jose, CA	73173		2653	2
	r'		DATE MAILED: 06/18/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09/965,368 LAM ET AL Examiner Art Unit 2653		
Examiner David L. Ometz Examiner David L. Ometz 2653 The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after Sts (6) MONTHS from the mailing date of this communication. If the period for reply specified above, the maximum statutory period vill apply and vill expire Sts (6) MONTHS from the mailing date of this communication. Failure to reply within the sat or extended period for reply will, by statutor, autory period vill apply and vill expire sts (6) MONTHS from the mailing date of this communication. Failure to reply within the sat or extended period for reply will, by statutor, part of the provision of the processed by the maximum statutory period vill apply and vill expire Sts (6) MONTHS from the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be	Application No. Applicant(s)	
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in proposed drawing estreetien med on is. dy_ depreved by the Examiner.		
If approved, corrected drawings are required in reply to this Office action.		
12) The oath or declaration is objected to by the Examiner.	· ·	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).	gn priority under 35 U.S.C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority documents have been received.	nts have been received.	
2. Certified copies of the priority documents have been received in Application No	nts have been received in Application No	
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 	Bureau (PCT Rule 17.2(a)).	е
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).	stic priority under 35 U.S.C. § 119(e) (to a provisional applic	lication).
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.	* *	
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other:	5) Notice of Informal Patent Application (PTO-152)	



Application/Control Number: 09/965,368

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- 1. Claim 7 is objected to because of the following informalities: in line 20, "a read head" should be changed to --the read head--. Appropriate correction is required.
- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1, 2, 4, 5, 7, 8, 11, 12, 14-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Santini (US Pat 6104576). Santini shows a magnetic head assembly for use in a disk drive in figures 1-6 and 18 that has: a write head with ferromagnetic first pole piece 206/208 with a yoke portion 208 and a pole tip portion 206; second pole piece layer 202 with a yoke portion that connects at the back gap portion with the yoke 208 and a pole tip portion forming a portion of the ABS; a write gap layer 222 located between the pole tip portions; an insulation stack 11/12/13 for coils 212/214; the pole tip portion 206 having a first component forming a portion of the ABS (the multi-tapered portion 206) and a second component recessed from the ABS (the portion of the yoke 208 that is tapered and near the ABS as seen in figure 18) wherein the second component has a width which is less than the width of the first component 206. A third component (the tapered portion of yoke 208 that is recessed even further back than the second portion above) is connected to the first component through the second component wherein the width of the third component is greater than the width of the second component; and a read sensor 74 (Figure 6) with shields 80/82 and read gaps 76/78.

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- 4. Claims 3, 6, 9, 10, 13, 16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references cited all show detail of the magnetic pole portion of the inductive head.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David L. Ometz whose telephone number is (703) 308-1296. The examiner can normally be reached on M-F, 6:00-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (703) 305-6137. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4750.

David L. Ometz 'Primary Examiner

Art Unit 2653

DLO

June 16, 2003